



JFW  
Patent  
Attorney Docket: 703567.4001

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of:

MARSHALL, Alan, et. al.

Serial No.: 10/628,906

Filed: July 28, 2003

For: **METHODS AND SYSTEMS FOR  
REDUCING LEAKAGE CURRENT IN  
SEMICONDUCTOR CIRCUITS**

Group Art Unit: 2816

Examiner: My Trang Ton

Confirmation No.: 7434

Customer No.: 34313

**PETITION TO MAKE SPECIAL UNDER 37 C.F.R. § 1.102(C) AND  
STATEMENT UNDER 37 C.F.R. § 1.102**

MAIL-STOP PETITION  
Commissioner for Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants hereby re-submit their Petition to Make Special this application (Serial No. 10/628,906), as it appears that the previously filed Petition to Make Special was lost by the Patent and Trademark Office ("PTO") after it was received by the PTO. The previously filed Petition is attached as **Exhibit A**. On August 12, 2004, I spoke with Examiner Ton, the Examiner assigned to this application, to request a status update on the Petition. She indicated that there was no record in PALM that the Petition had been received by the Petitions Branch. However, back in December, 2003, I received a return postcard from the PTO, bearing the PTO stamp, indicating that the Petition was received on December 16, 2003. This postcard is attached as **Exhibit B**. As further evidence

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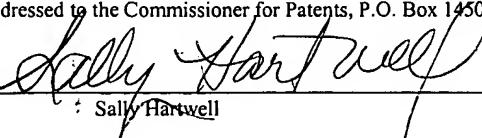
CERTIFICATE OF MAILING (37 C.F.R. § 1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

AUGUST 12, 2004

Date of Deposit

DOCSOC1:153808.1

  
Sally Hartwell



Patent  
Attorney Docket: 703567.4001

that Applicants' Petition was received and acted upon at least in part by the PTO, I note that the attorney docket number has been changed as requested in the Petition. Both the Filing Receipt and the Notice to File Missing Parts of Non-provisional Application, attached as **Exhibit C**, bear the incorrect attorney docket number of 704484.4001. When I filed the Petition, I requested that this docket number be corrected. A recent PAIR printout for this application, attached as **qw**, shows the correct attorney docket number of 703567.4001. Thus it appears that the Petition was lost somewhere within the PTO, after the docket number was corrected. In light of this eight month delay caused by the PTO, applicants would appreciate the immediate consideration and grant of their Petition to Make Special, as well as an appropriate Patent Term Adjustment on any patent that arises from this application.

Respectfully submitted,  
ORRICK, HERRINGTON & SUTCLIFFE LLP

Dated: August 12, 2004

By:

Donald E. Daybell

Donald E. Daybell, Reg. No. 50,877  
Attorneys for Applicant

Orrick, Herrington & Sutcliffe LLP  
4 Park Plaza, Suite 1600  
Irvine, California 92614-2558  
Telephone: (949) 567-6700  
Facsimile: (949) 567-6710

**BEST AVAILABLE COPY**

Please acknowledge receipt of the following by affixing hereon the Patent and Trademark Office date stamp and returning this card to our office.

Inventor(s): Alan Marshall, et al.

Serial No.: 10/628,906 Filed: July 28, 2003

For: Methods and Systems for Reducing Leakage Current in Semiconductor Circuits

**PETITION TO MAKE SPECIAL**

Attorney(s): Donald Daybell/sjh

Docket No.: 703567.4001

Date of Deposit: December 9, 2003

Enclosure(s): Petition to Make Special Under 37 CFR § 1.102(C) and Statement Under 37 CFR § 1.102 (2 pgs); Postcard; Certificate of Mailing

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

MARSHALL, Alan, et. al.

Serial No.: 10/628,906

Filed: July 28, 2003

For: **METHODS AND SYSTEMS FOR  
REDUCING LEAKAGE CURRENT IN  
SEMICONDUCTOR CIRCUITS**

Group Art Unit: 2816

Examiner: Not yet assigned

Confirmation No.: 7434

**PETITION TO MAKE SPECIAL UNDER 37 C.F.R. § 1.102(C) AND**  
**STATEMENT UNDER 37 C.F.R. § 1.102**

MAIL-STOP NON-FEE

Commissioner for Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

37 C.F.R. § 1.102(c) allows an applicant to petition that a patent application be made special if that patent application is for an invention that will materially contribute to the conservation of energy resources. MPEP § 708.02 requires that such petition be accompanied by a statement under 37 C.F.R. § 1.102(c) from the applicant or his attorney/agent explaining how the invention contributes to the conservation of energy resources. 37 C.F.R. § 1.102(d) and M.P.E.P. § 708.02 specify that there is no fee for filing a petition to make special under 37 C.F.R. § 1.102(c).

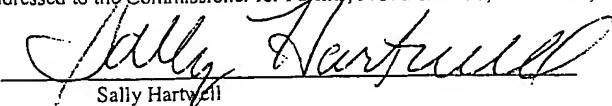
Applicant hereby requests that this application be made special, because the subject matter

DOCSOC1:145061.1

**CERTIFICATE OF MAILING (37 C.F.R. § 1.8a)**

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December 9, 2003  
Date of Deposit

  
Sally Hartwell

claimed in this application will materially contribute to the conservation of energy resources.

The subject matter claimed in this application is directed to reducing leakage currents across circuit components. This reduction in leakage current results in a reduction in power dissipation in the circuits containing the circuit components. Reducing the power dissipation of a circuit directly reduces the usage of energy in the circuit, which results in conservation of energy resources, for example by extending the battery life of a battery used to power the circuit.

Based on the foregoing, applicant respectfully submits that the application is entitled to be made special in accordance with 37 C.F.R. § 1.102(c). Applicant respectfully requests that this Petition to Make Special be granted.

As noted above, applicant believes that there is no fee required for this petition. However, the Commissioner is hereby authorized to charge Orrick's Deposit Account No. 15-0665 for any fees that are required, and to credit any overpayments to said Deposit Account.

Change in Attorney Docket Number:

Please change the attorney docket number to 703567.4001.

Respectfully submitted,  
ORRICK, HERRINGTON & SUTCLIFFE LLP

Dated: December 9, 0203

By:

  
Donald E. Daybell, Reg. No. 50,877  
Attorneys for Applicant

DED/sjh

4 Park Plaza, Suite 1600  
Irvine, California 92614-2558  
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Facsimile: (949) 567-6710  
Customer No.: 34313

**BEST AVAILABLE COPY**

Please acknowledge receipt of the following by affixing hereon the Patent and  
Trademark Office date stamp and returning this card to our office.

Inventor(s): Alan Marshall, et al.  
Serial No.: 10/628,906 Filed: July 28, 2003  
For: Methods and Systems for Reducing Leakage Current in Semiconductor Circuits

**PETITION TO MAKE SPECIAL**

Attorney(s): Donald Daybell/sjh  
Docket No.: 703567.4001  
Date of Deposit: December 9, 2003

Enclosure(s): Petition to Make Special Under 37 CFR § 1.102(C) and  
Statement Under 37 CFR § 1.102 (2 pgs);  
Postcard; Certificate of Mailing





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[www.uspto.gov](http://www.uspto.gov)

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/628,906	07/28/2003	2816	1095	704484 4001	12	86	6

34313  
ORRICK, HERRINGTON & SUTCLIFFE, LLP  
4 PARK PLAZA  
SUITE 1600  
IRVINE, CA 92614-2558

704484.4001  
703527.4001

CONFIRMATION NO. 7434

**FILING RECEIPT**



\*OC000000011135039\*

Date Mailed: 10/30/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Alan Marshall, Residence Not Provided;  
Andrea Olgiati, Residence Not Provided;  
Anthony Stansfield, Residence Not Provided;

CHARGE OF PROSECUTION  
11/28/03  
105  
DD  
DMD  
11/30/03  
DMD

**Domestic Priority data as claimed by applicant**

## Foreign Applications

If Required, Foreign Filing License Granted: 10/23/2003

**Projected Publication Date:** To Be Determined - pending completion of Missing Parts

**Non-Publication Request: No**

## Early Publication Request: No

\*\* SMALL ENTITY \*\*

**Title**

## Methods and systems for reducing leakage current in semiconductor circuits

RECEIVED  
NOV 05 2003  
IRVINE OFFICE

Preliminary Class

327

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

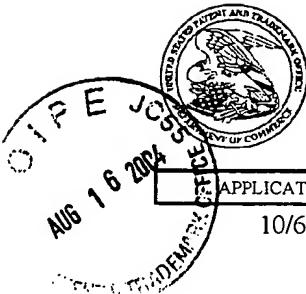
The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/628,906	07/28/2003	Alan Marshall	704484.4001 703577.4001

CONFIRMATION NO. 7434

34313  
 ORRICK, HERRINGTON & SUTCLIFFE, LLP.  
 4 PARK PLAZA  
 SUITE 1600  
 IRVINE, CA 92614-2558

## FORMALITIES LETTER



\*OC000000011135040\*

Date Mailed: 10/30/2003

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

## FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

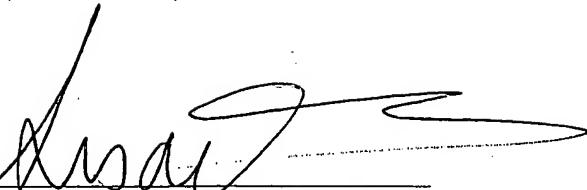
Total additional fee(s) required for this application is \$65 for a Small Entity

- \$65 Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

12/30/03  
 Response to M.P.  
 D.O.  
 D.O.M.P.  
 11/5/03

*A copy of this notice **MUST** be returned with the reply.*



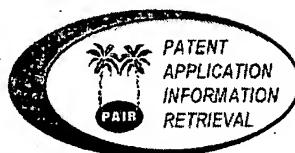
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Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY



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**PATENT APPLICATION INFORMATION RETRIEVAL**

Search results as of: 8-11-2004::17:56:7 E.T.

Search results for application number: 10/628,906			
Application Number:	10/628,906	Customer Number:	34313
Filing or 371(c) Date:	07-28-2003	Status:	Docketed New Case - Ready for Examination
Application Type:	Utility	Status Date:	02-24-2004
Examiner Name:	TON, MY TRANG	Location:	ELECTRONIC
Group Art Unit:	2816	Location Date:	-
Confirmation Number:	7434	Earliest Publication No:	-
Attorney Docket Number:	703567.4001	Earliest Publication Date:	-
Class/ Sub-Class:	327/379	Patent Number:	-
First Named Inventor:	Alan Marshall, Bristol, (GB)	Issue Date of Patent:	-
Title Of Invention:	Methods and systems for reducing leakage current in semiconductor circuits		

## Search Options

Assignments
Image File Wrapper
Publication Review

## File History

Date	Contents Description
07-27-2004	Preliminary Amendment
07-27-2004	Workflow incoming amendment IFW
06-04-2004	Case Docketed to Examiner in GAU
05-25-2004	Case Docketed to Examiner in GAU
05-25-2004	IFW TSS Processing by Tech Center Complete
02-24-2004	Case Docketed to Examiner in GAU
01-28-2004	Application Return from OIPE
01-28-2004	Application Return TO OIPE
01-28-2004	Application Is Now Complete
01-26-2004	Application Dispatched from OIPE
01-26-2004	Application Is Now Complete
12-18-2003	Additional Application Filing Fees

12-18-2003	A statement by one or more inventors satisfying the requirement under 35 USC 115, Oath of the Applic
07-28-2003	Claim Preliminary Amendment
10-30-2003	Notice Mailed--Application Incomplete--Filing Date Assigned
10-11-2003	Cleared by OIPE CSR
09-02-2003	IFW Scan & PACR Auto Security Review
07-28-2003	Initial Exam Team nn